5(3) AUTHORS:

Yakhontov, L. N., Rubtsov, M. V.

SOV/79-29-4-35/77

TITLE:

Synthesis of the Derivatives of Py-N-benzyltetrahydronor garmine-3-carboxylic Acid (Sintez proizvodnykh Py-N-benziltetra-

gidronorgarmin-3-karbonovoy kisloty)

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 4, pp 1201-1206 (USSR)

ABSTRACT:

The esters and amides of the above acid are of importance as intermediate products for the synthesis of reserpine analogues; however, no description has as yet been given because of the difficulties encountered in preparing them (except in reference 1). The general method developed by the authors at an earlier date for the reduction of "garmine" derivatives by means of sodium boron hydride resulting in the Py-tetrahydrogarmine derivatives rendered possible the preparation of the ethyl ester (XII) and N-methylanilide (X) of Py-N-benzyltetrahydronorgarmine-3-carboxylic acid (Scheme), starting from Py-N-chlorobenzylate of norgamine-3-carboxylic acid (VII) or its betaine (VI) via the ethyl ester (XI) and N-methylanilide (VIII). Because of the difficulties encountered the previous synthesis of the above chlorobenzylate (Ref 3) was replaced by the following method: Com-

Card 1/3

Synthesis of the Derivatives of Py-N-benzyltetrahydronorgarmine-3-carboxylic

pound (IV) was obtained from garmine (I) by two alternative methods; either garmine was changed into (III) by reaction with benzaldehyde, and (III) was heated for 13 hours at 160° with benzylchloride in a benzyl alcohol medium; or, in the second process, "garmine" was transformed, with benzyl chloride, into compound (II) which was slightly heated with benzaldehyde in the presence of pyridine. The quantities of the Py-N-chlorobenzylate of 3-styrylnorgarmine obtained amounted to 46 and 58.8%, respectively (details in the experimental part). During the oxidation of the Py-N-chlorobenzylate of 3-styrylnorgarmine with potassium permanganate the betaine of Py-N-benzylnorgarmine-3-carboxylic acid forms. It was suggested generally to synthesize the amides of norgarmine-3-carboxylic acid by the reaction with amines and phosphorus oxychloride at 160-170°. There are 3 references, 2 of which are Soviet.

ASSOCIATION:

Card 2//3

Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S.Ordzhonikidze (All-Union Scientific Chemico-pharmaceutical Research Institute imeni S.Ordzhonikidze)

SOY/79-29-7-51/83 Yakhontov, La Hea Rubtsov, H. V. 5(3) AUTHORS: Aminoacids of the Quinuclidine Series (Aminokisloty ryada khinuklidina) Zhurnal obshohey khimii, 1959, Vol 29, Nr 7, pp 2343-2348 (USSR) TITLE: No data on the synthesis and biological activity of the above-PERIODICAL: mentioned acids is given in publications. The following amino acids were synthesized in this investigation: «-Aminomethyl-ABSTRACT: β -(quinuclidy1-2)-propionic acid (III), β -(quinuclidy1-2)- β -aminopropionic acid (VII), and 3-aminoquinuclidine-2-carboxyliz acid (XII). (I) was used as an initial compound for the preparation of (III) (Ref 2) (Scheme 1). The Knoevenagel conden-Bation of the aldehyde (I) gave (II) in quantitative yield. The hydrogenation of the double bond and the cyano group in (II) was effected with the Pt catalyst according to Adams and was a one-step reaction. The obtained esters of acid (III) was saponified without previous isolation. (IV) was used for the preparation of (VII) (Scheme 2). The Claisen condensation of (IV) with ethyl acetate (Ref 3) gave the sodium derivative [enol form(V)] . (V) dissolved in water only within 24 hours, yielding the sodium salt of β -(quinuclidy1-2)- β -ketopropionic Card 1/2

Aminoacids of the Quinuclidine Series

SOV/79-29-7-51/83

acid after hydrolysis. The oxime (VI) of this keto acid was prepared by the reaction of the sodium salt of the acid with an equimolar amount of hydroxylamine hydrochloride in absolute alcohol. (VI) was converted to (VII) by the Adams reduction. The synthesis of (XII) was carried out as shown in scheme 3. Against all expectations only one diastereo-isomer of each of the three aminoacids synthesized was obtained, instead of the three theoretically possible isomers. There are 4 references, 2 of which are Soviet.

ASSOCIATION:

Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S. Ordzhonikidze (All-Union Scientific Chemico-pharmaceutical Research Institute imeni S. Ordzhonikidze)

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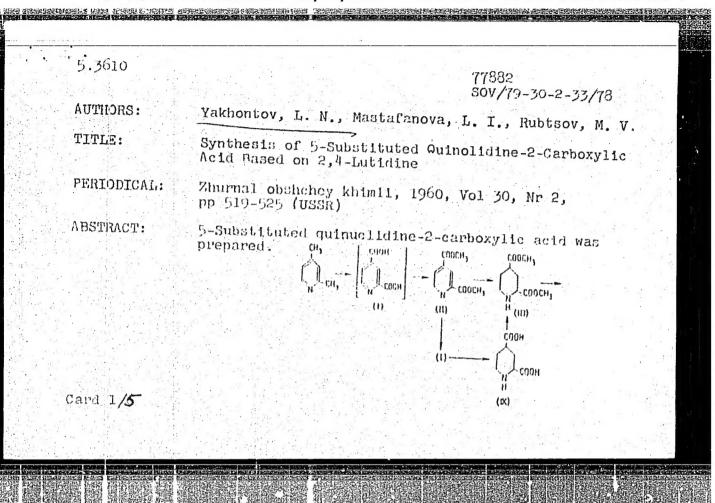
May 15, 1958

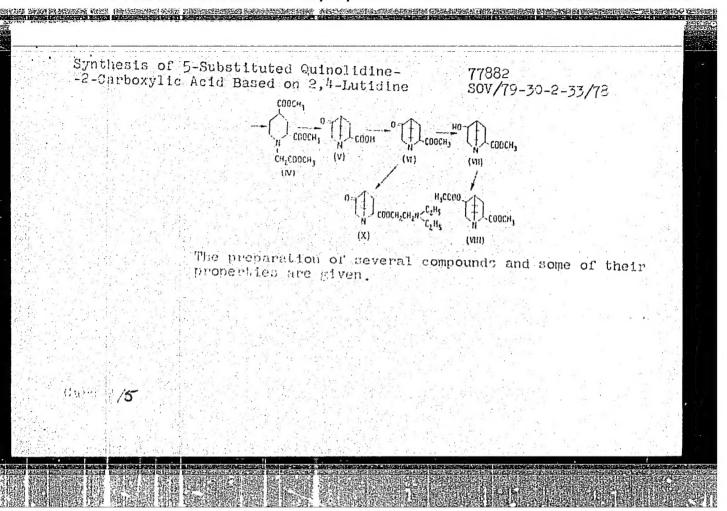
Card 2/2

RUBTSOV, M.V.; MIKHLINA, Ye.Ye.; YAKHONTOV, L.N.

Chemistry of quinuclidine derivatives. Usp.khim. 29
no.1:74-105 Ja '60. (MIRA 13:6)

1. Vsesoyuznyy anuchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S. Ordzhonikidze.
(Qnimuclidihe)





				· · · · · · · · · · · · · · · · · · ·
Nr'	Starting material	Obtained product	Yield in %	mp
1.	Technical 2,4-lutidine + + H ₂ 0 + KMnO ₄	II	24.85	57.5-58.5
2	2,4-lutidine + formalin + + HNO3	II	56.5	57.5-58.5
3	2,4-pyridinedicarboxylic acid + HCl + hydrogenation over Pt	IX	89.7	224-226
li.	dimethyl ester of 2,4-pyridi- nedicarboxylic acid + HCl + + methanol + Hydrogenation over Pt	III	84	151.5-152
	corresponding 2,5-product was obtained in the same way		100	199.5-200
	(Cont'd on Card 4	/57	Card 3	/5

(Table cont'd)		77882 SOV/79-30-2-33/78			
lle	Starting material	Obtained product	Yield in,%	mp	
6	III + methyl bromoacetate + + K ₂ CO ₃	IV	56.2	bp 137-138 0.5 mm pr np 1.4717	
7	anhydrous methanol + K + + IV	VI	61.2	bp 113-114 0.5 mm pr n _D 1.4848	
8	VI + HCl	v	89.7	260 (dec)	
	diethylaminoethanol + sodium ethoxide + V	X	32.8	bp 162-165 2.5 mm pr n _D 1.4830	
C	ard 4/5 (Cont'd on Ca	ard 5/57			

			and the second second			
		7788	2 SOV/7 9	-30-2-33/78		
Nr Sta	erting material	Obtained product	Yield in %	mp		
10 VI + anhy + hydroge	drous methanol + nation over pt	VII	100	bp 135/0.3 mun n _D 20		
11 VII + ace	tic anhydride	VIII	50.6	bp 120/3 mm		
There are 9 references, I Soviet, 3 German, 3 U.S., 1 U.K., 1 French. The 4 U.S. and U.K. references are: U.S. pat. 2456377 (1948); I. H. Sternbach, S. Kaiser, J. Am. Chem. Soc., 74, 2215 (1952); G. R. Clemco, T. F. Metcalfe, J. Chem. Soc., 1989 (1937); T. O. Soine, J. Am. Pharm. Ass., 33, 223 (1944).						
ASSOCIATION: Ordzhonikidze All State-Scientific-Research Chemical-Pharmaceutical Institute (Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy instituimeni 3. Ordzhonikidze)						
SUPMITTED:	February 2, 1959		Card			
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MAKHONTOV, L.N.; RUBTSOV, M.V.

Synthesis of 3(~ -diethylaminoethyl)4-methylpyridine. Zhur.ob. khim. 30 no.5:1507-1515 My '60. (MIRA 13:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S.Ordzhonikidze.

(Pyridine)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001961820013-0"

YAKHONTOV, L.N.; RUBTSOV, M.V.

1-22-8

7-Azaindole derivatives. New type of closure of the pyrroline ring in the reaction of trichlorocollidine with secondary amines. Zhur. ob.khim. 30 no.10:3300-3306 0 61. (MIRA 14:4)

1. Vsesoyuznyy nauchno-issledovatel*skiy khimiko-farmatsevticheskiy institut imeni S.Ordzhonikidze.

(Pyridine) (Cyclization)

YAKHONTOV, J. N.; KRASNOKUTSKAYA, D.M.; RUBTSOV, M.V.

Synthesis and some conversions of 1-phenyl-1-oxy-2-methoxy-methylcyclohexane. Zhur.ob.khim. 31 no.10:3190-3197 0 '61. (MIRA 14:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S.Ordzhonikidze.

(Benzene)

YAKHONTOV, L.N.; RUBTSOV, M.V.

Derivatives of 7-azaindole. Part 2: Synthesis of 1-substituted 4-methyl-7-azaindoline in the reaction of 2-chloro-3-(-chloroethyl)-4-methylpyridine with secondary amines. Zhur.ob.khim. 31 no.10: 3281-3287 0 '61. (MIRA 14:10)

l. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S.Ordzhonikidze.

(Pyridine)

YAKHONTOV, L.N.; RUBTSOV, M.V.

Derivatives of 7-azaindole. Part 3: Formation of 7-azaindolines during the reaction of secondary amines with hydroxyhalo derivatives of pyridine. Zhur.ob.khim. 32 no.2:432-436 F 162. (MIRA 15:2)

1. Vsesoyuznyy nauchno-issledovatel skiy khimiko-farmatsevtiche-skiy institut imeni S.Ordzhonikidze.

(Pyridine) (Azaindole)

BERENFEL'D, V.M.; YAKHONTOV, L.N.; YANBUKHTIN, N.A.; KRASNOKUTSKAYA, D.M.;
YATSENKO, S.V.; RUBTSOV, M.V.

Synthesis of substituted 4-(g-diethylamino-oc-methylbutylamino)
2-styrylquinolines. Zhur.ob.khim. 32 no.7s2169-2177 Jl '62.

(MINA 15:7)

1. Vaesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut imeni S.Ordzhonikidze.

(Quinoline)

YAKHONTOV, L. M:

Dissertation: "Investigation of the Series of Derivatives of Quinuclidine." Cand Chem Sci, All-Union Sci Res Chemicopharmaceutical Inst imeni Sergo Ordshonikidze (UNIKhFI), 18 Mar 54 (Vechernyaya Moskva, Moscow, 8 Mar 54)

SO: SUM 213, 20 Sept 1954

YAKHONTOV, L.N.; BELOVA, O.I.; CHUMBURIDZE, B.I.

Pifth Congress of the Pharmaceutical Society of the German Democratic Republic. Aptech. delo 12 nq.3278-81 .ky-Je'63 (MIRA 17:2)

RUBTSOV, M.V.; YAKHONTOV, L.N.; MASTAFANOVA, L.L.

Nuclear magnetic resonance in the study of allyl rearrangement of 3-hydroxy-3-vinylquimuclidine. Zhur.ob,khim. 33 no.4:1180-1189
Ap '63.

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S.Ordzhonikidze.
(Quinuclidine—Spectra) (Allyl compounds—Spectra)
(Substitution (Chemistry))

YAKHONTOV, L.N.; MASTAFANUVA, L.I.; RUBTSOV, M.V.

Wittig reaction used in the synthesis of 3-substituted quinuclidines. Zhur.ob.khim. 33 no.10:3211-3214 0 '63.

(MIRA 16:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S.Ordzhonikidze.

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YAKHONTOV, L.N.; RUBTSOV, M.V.

Derivatives of 7-azaindole. Part 4: Reaction of trichlorocollidine and dichlorohydroxycollidine with fatty-aromatic amines. Zhur.ob.khim. 34 no.2:493-499 F '64. (MIRA 17:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S.Ordzhonikidze.

YAKHONTOV, L.N.; URITSKAYA, M.Ya.; RUBTSOV, M.V.

Derivatives of 7-azaindole. Part 6: Synthesis of 4-methyl-7-azaindole and its 6-chloro, 6-iodo, and 6-methoxy derivatives. Zhur. ob. khim. 34 no. 5:1449-1455 My '64.

Derivatives of 7-azaindole. Part 7: Dehydrogenation of indoline and 7-azaindoline derivatives with sodium in liquid ammonia. Ibid.:1456-1458 (MIRA 17:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S.Ordzhonikidze.

RUBTSOV, M.V.; YAKHONTOV, L.N.; KRASNOKUTSKAYA, D.M.

Synthesis and some transformations of 1-(pyridyl-2'-methyl) -1-hydroxy-2-methoxymethylcyclohexane. Zhur. ob. khim. 34 no.8:2610-2617 Ag '64. (MIRA 17:9)

1. Vsesoyuznyy nauchno-issledovatel skiy khimiko-farmatsevticheskiy institut im. S. Ordzhonikidze.

YAKHONTOV, L.N.; URITSKAYA, M.Ya.; RUBTSOV, M.V.

Derivatives of 7-azaindole. Parts 14-16. Zhur. org. khim. 1

Derivatives of 7-azaindole. Parts 14-16. Zhur. org. khim. 1 no.11:2029-2046 N '65. (MIRA 18:12)

1. Vsesoyuznyy nauchno-issledovateliskiy khimiko-farmatsevticheskiy institut imeni S. Ordzhonikidze. Submitted July 20, 1964.

RUBTSOV, M.V.; YAKHONTOV, L.N.; MIKHLINA, Ye.Ye.

Hofmann degradation of 1,4-bispentamethylene piperazinium dichloride by means of a methanol solution of caustic potash. Zhur. ob. khim. 35 no.4:621 Ap '65.

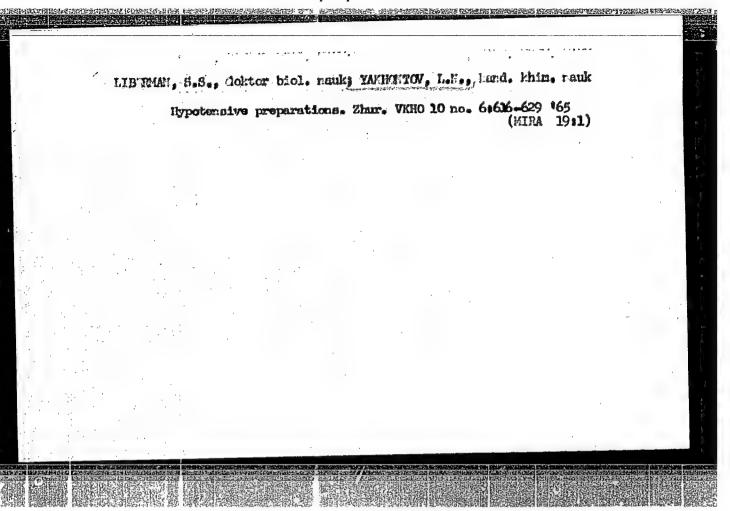
(MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevti-cheskiy institut imeni S. Ordzhonikidze.

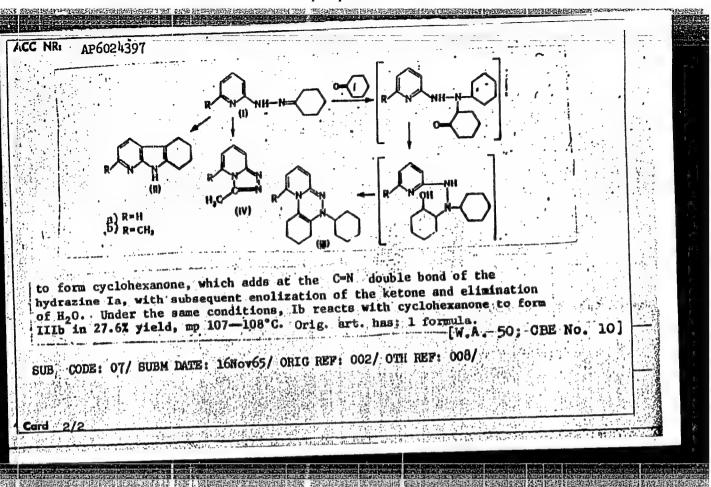
YAKHONTOV, L.N.; MASTAFANOVA, L.I.; PORTNOVA, S.L.; RUBTSOV, M.V.

Synthesis of 3-vinylquinuclidine. Dokl. AN SSSR 162 no.5:1075-1078
Je 165. (MIRA 18:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut im. S.Ordzhonikidze. Submitted November 2, 1964.

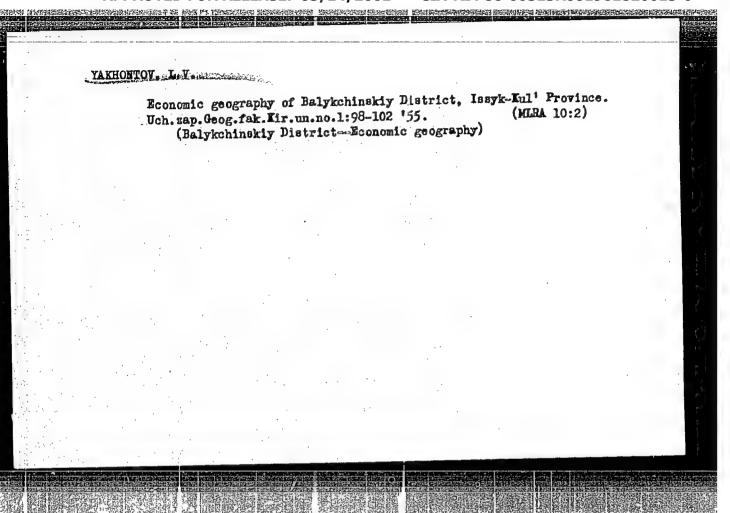


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AUTHOR: Y	akhontov, L. N.; Pro	nina, Ye. V.; Rubtsov, M.	. V.; Kazanskiy, B.	Α.	*	
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TITLE: An	omalous course of th	e Fischer reaction				
SOURCE: A	N SSSR. Doklady, v.	169, no. 2, 1966, 361-36	64			
ABSTRACT: It was fo in additi	und that in boiling is on to the normally for none) the previously	ione, Fischer reaction, Cacal Reaction, Cacal Reaction of Ia wormed IIa, also yielded (unreported tricyclic commonditions the Fischer reproceeds via a partial harmoneeds via a partial harmoneeds via a partial harmoneeds.	ith cyclohexanone, 36.6%, based on pound IIIa, mp eaction proceeds	00,		
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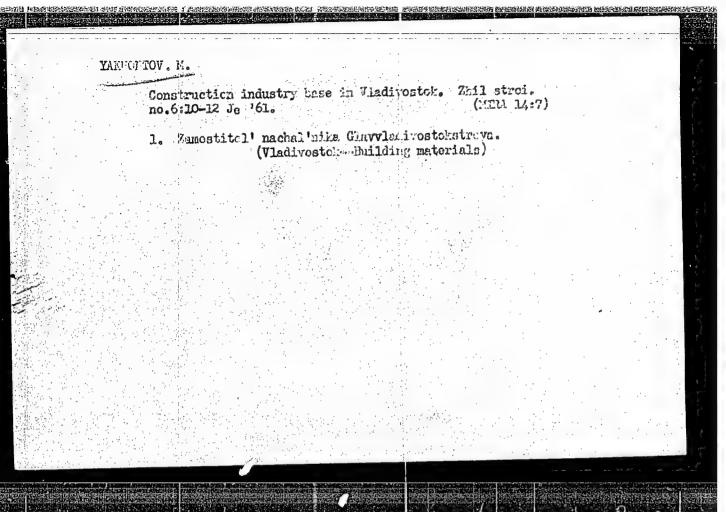


GUZHIN, Georgiy Semenovich; YAKHONTOV, Leonid Valeriyavich; KARTAVOV, M.M., red.; BEYSHENOV, A., tekhn. red.

[Around the Issyk-Kul'; popular geographical study]Vokrug ozera Issyk-Kul'; populiarnyi geograficheskii ocherk. Frunze, Kirgizskoe gos. izd-vo, 1959. 67 p. (MIRA 15:11) (Issyk-Kul' region--Economic geography)

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YAKHONTOV, M.V.; TOROPOV, Ye.V.; IVANOV, A.D.

Causes of the pulsation in blast furnace air preheaters. Stal: 23 no.9:778-781 S '63. (MIRA 16:10)

1. Megnitogorskiy metallurgicheskiy kombinat.

YAKHONTOV, N.Ya. (g. Gor'kiy, ul. Lyadova, d.51, kv. 11)

Experience with the implantation of radiovobalt in the treatment of cancer of the lower lip. Vop.onk. 5 no.3:376-379 '59. (MIRA 12:12)

1. Iz Gorkovskogo oblastnogo onkologicheskogo dispansera (glavnyy vrach - zasluzhennyy vrach RSFSR T.V. Pavlova, nauchnyy rukovoditel' - prof. A.I. Koshevnikov) i kafedry rentgenologii radiologii (zav. - dots. V.F. Stgachev) Gor'kovskogo meditsinskogo instituta im. S.M. Kircva (dir. - dots. N.N. Mizinov).

(GOBALT, radioactive, ther. of cancer of lip, implantation (Rus))

(LIPS, neoplasus, ther., radiocobalt, implantation (Rus))

YAKHONTOV, N. Ye., Cand Med Sci -- "On the combined therapy of cancer of the lower lip." Gor'kiy, 1961. (Gor'kiy State Med Inst im S. M. Kirov) (KL, 8-61, 266)

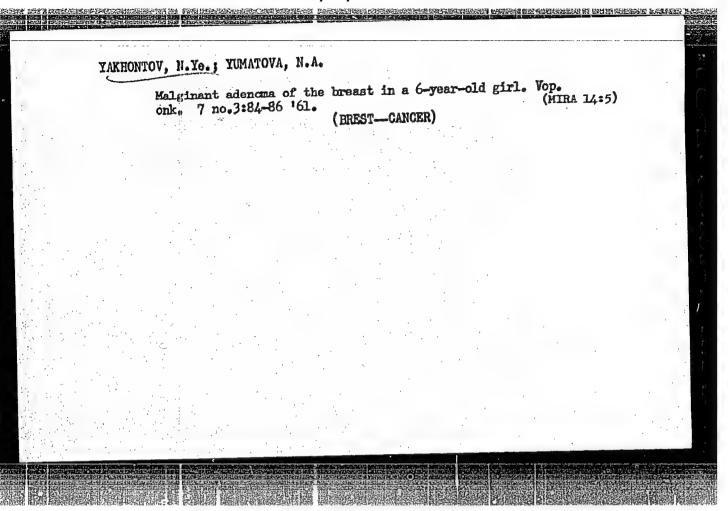
- 550 -

YAKHONTOV, N.Ye.; YUMATOVA, N.A.

Hemangioendothelioma of the stomach. Khirurgiia no.11:132-133
'61. (MIRA 14:12)

1. Iz Gor'kovekogo oblastnogo onkologicheskogo dispansera (glavnyy vrach - zasluzhennyy vrach RSFSR T.V. Pavlova) i kafedry obshchey khirurgii (zav. - prof. A.I. Kozhevnikov) Gor'kovskogo meditsinskogo instituta.

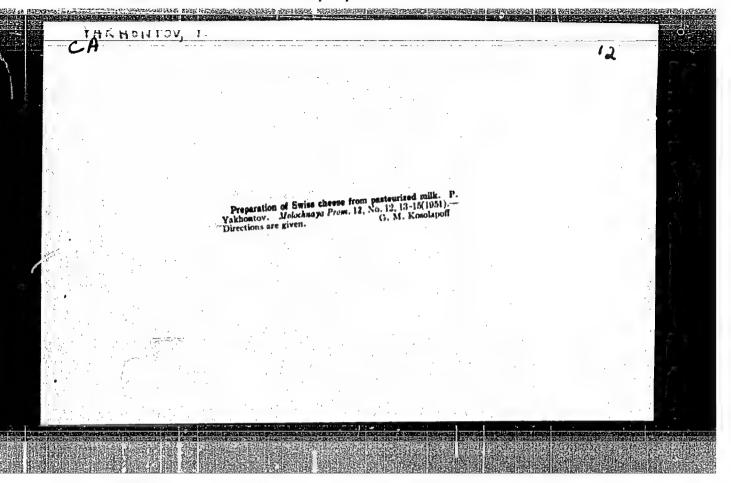
(STOMACH—CANCER) (ENDOTHELIUM)



1.	YAKHON	TOV.	P.

- 2. USSR (600)
- 4. Water-Supply Engineering Apparatus and Supplies
- 7. Potentialities for increasing the productivity of water-supply equipment. Zhil. -kom. khoz. 2, No. 11, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Unclassified.



1.	Y	akhoi	VOTO	. P.	

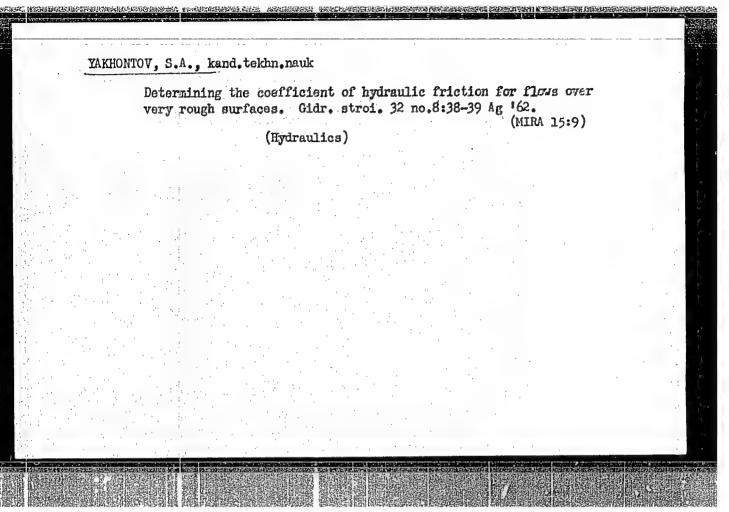
- 2. USSR (600)
- 4. Cheese
- 7. Improving consistency of coarse cheese, Mol. prom., 13, No. 11, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

Withoutov, S.A., inzh.

Istimating the resistance of a flashy stream in the zone of small relative depths. Gidr. stroi. 30 no.6:40-43 Je '60. (MIRA 13:7)

(Hydraulics)



YAKHONTOV, S.A.

"An Investigation of an Even Turbulent Stream Under Rough Topographic Conditions."

dissertation for the degree of Candidate of Technical Sciences (awarded by the Timiryazev Agricultural Academy, 1962)

(Izvestiya Timiryazevskoy Sel'skokhozyaystvennoy Akademii, Moscow, No. 2, 1963, pp 232-236)

YAKHONTOV, S.A., kand.tekhn.nauk

Boundary layer on a rough surface. Izv. vys. ucheb. zav.; energ. 6 no.7:81-88 Jl '63. (MIRA 16:8)

l. Moskovskiy ordena Lenina energeticheskiy institut. Predstavlena kafedroy gidravliki.

(Fluid dynamics)

YAKHONFOV, S. Ye.

"Glottokhronologiya i kitayskotibetskaya sem'ya yazykov."

report submitted for 7th Intl Cong, Anthropological & Ethological Sciences, Moscow, 3-10 Aug 64.

YAKHONTOV, V., prof. (Tashkent); YEREMENKO, T. (Tashkent); BOGOLYUBOVA, A. (Tashkent)

Entomophages of the apple and cherry ermine moths Hyponomeuta malinellus L. and Hyponomeuta padellus. Zashch. rast. ot vred. 1 bol. 10 no.8:53-54 '65. (MIRA 18:11)

YAKHONTOV, V., prof. (Tashkent)

Book reviews and bibliography. Zashch, rast. ot wred. i bol. 10 (MIRA 18:4)

YAKHONTOV, V., prof. (Tashkent)

Hungarian Institute of Plant Protection. Zashch. rast. ot vred.
i bol. 10 no.5:57 '65. (MIRA 18:6)

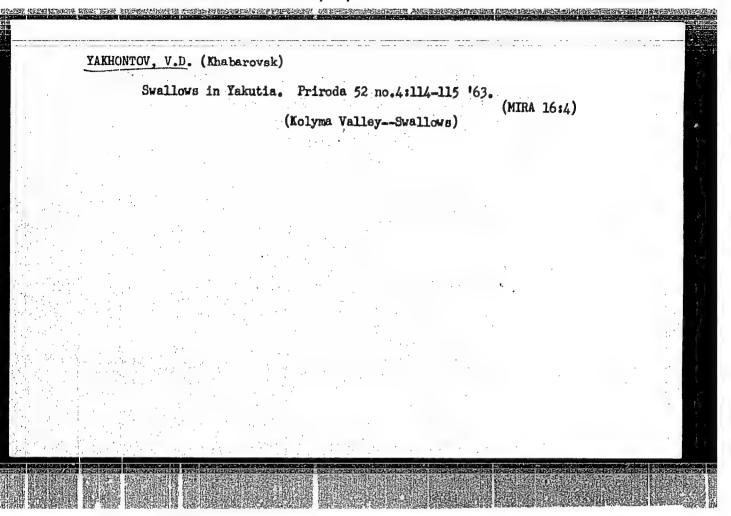
YAKHONTOV, V.D.

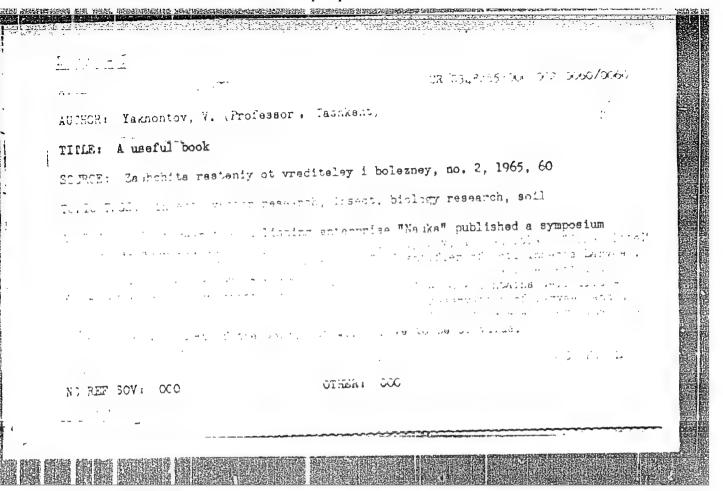
Passage of aquatic game birds in the middle course of the Kolyma River [with summary in English]. Zool.zhur. 36 no.3:462-464 Mr '57. (MLRA 10:5)

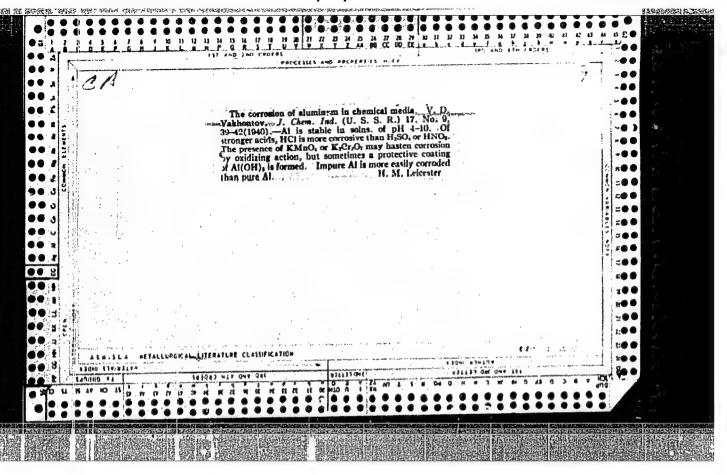
1.Zyryanskiy krayevedcheskiy muzey Yakutskoy ASSR. (Kolyma Valley--Water birds)

- 1. YAKHONTOV, V. D.
- 2. USSR (600) --
- 4. Birds Kolyma River Valley
- 7. Birds rare to Kolyma. Priroda 41 No. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

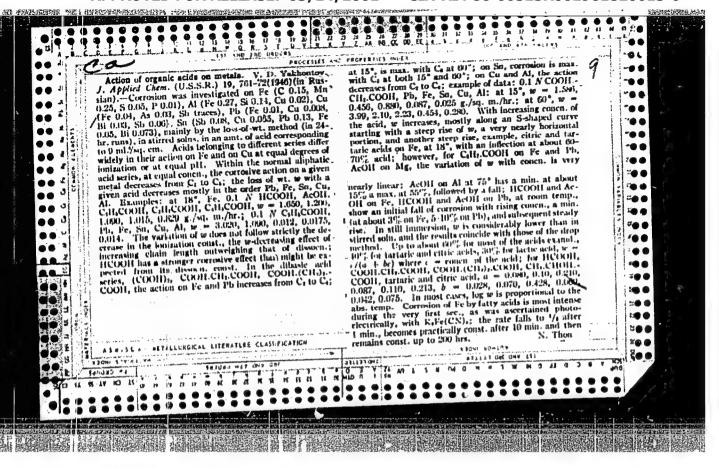






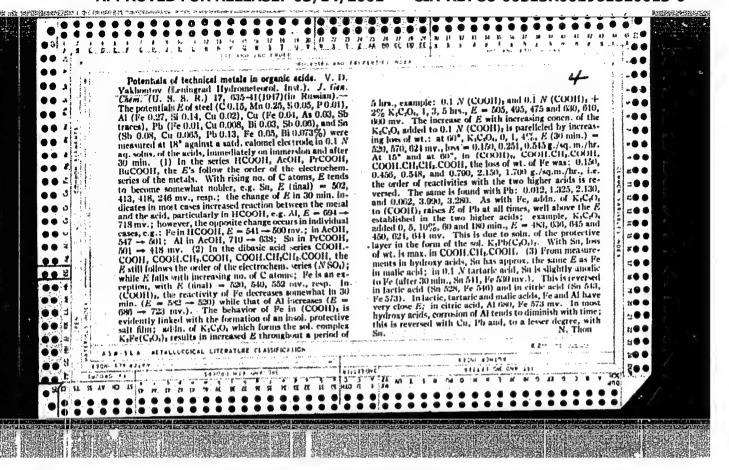
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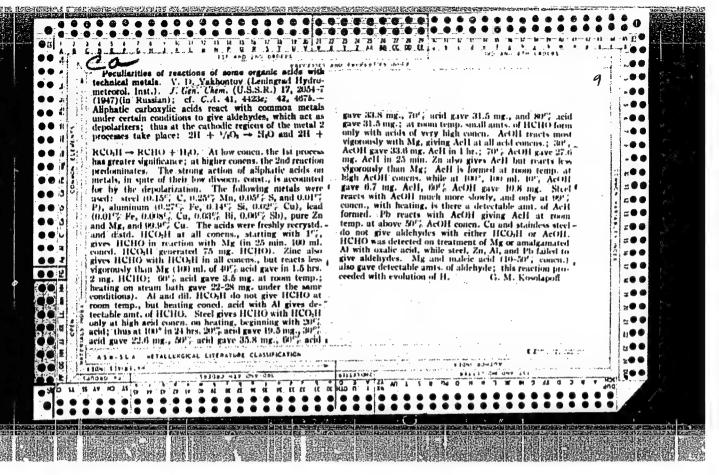
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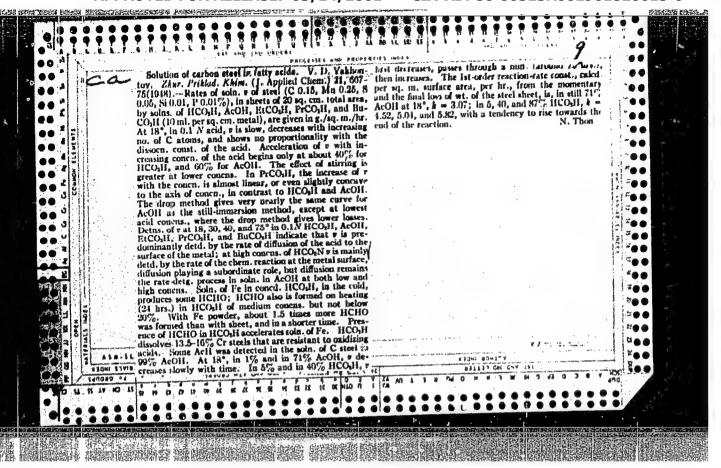


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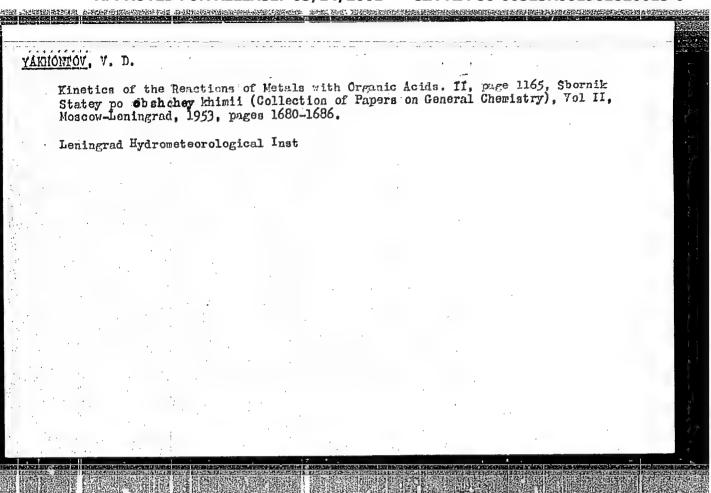


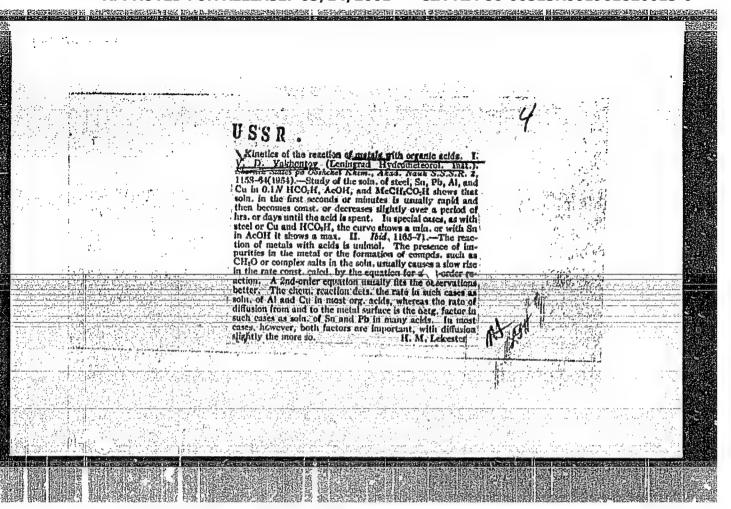


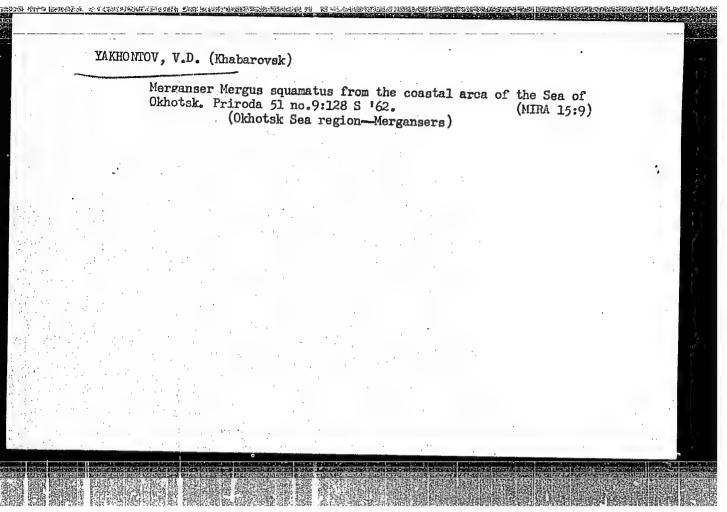
YANNOMOV, V. D.

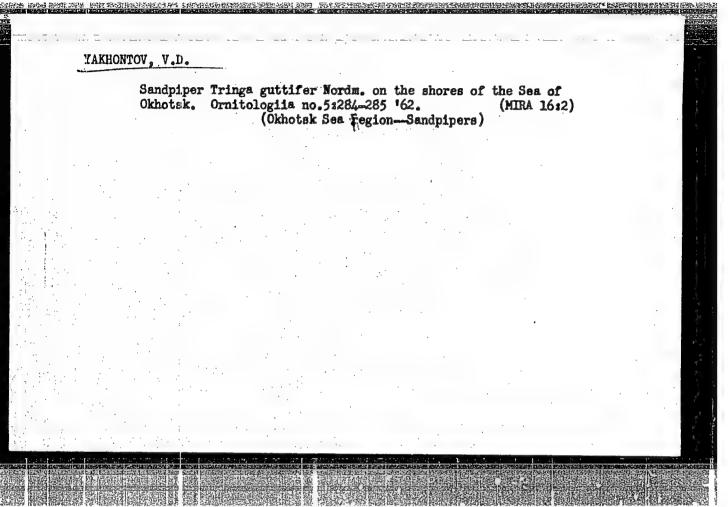
Kinetics of the Reactions of Metals with Organic Acids I, page 1158, Shornik Statey po obshchov khimii (Collection of Papers on General Chemistry), Vol II, Moscov-Leningrad, 1953, pages 1680-1686.

Leningrad Hydrometeorological Inst









YAKHONTOV, Vsevolod Dmitriyevich; GUSSAKOVSKAYA, O.N., red.

[Following the Cherskii trail wildlife stories] Tropoiu Cherukogo; rasskazy o prirode. Magadanskoe knizhnoe izd-vo, 1965. 77 p. (MIRA 18:10)

YAKHONTOV, V. I.

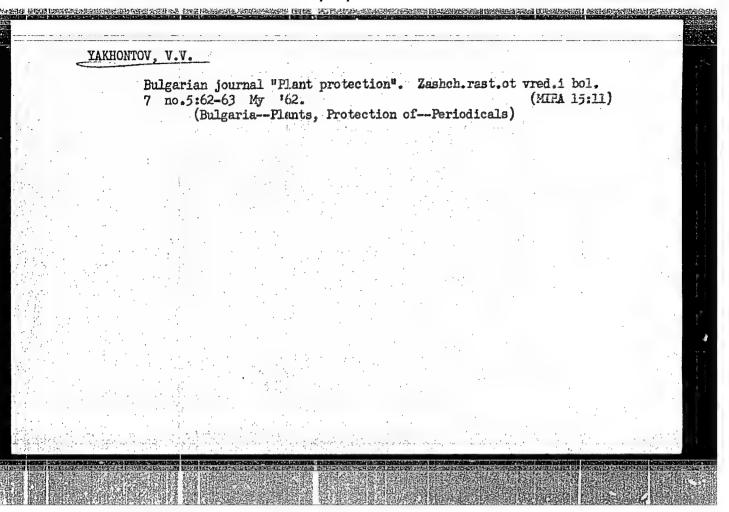
"The Role Played by the Mervous System in the Adaption of the Heart to Environmental Variations (Data on the Analysis of Kechanical and Electrical Processes in the Heart)." Cand Med Sci, Stalingrad Medical Inst, Stalingrad, 1953. (RZhBiol, No 1, Sep 54)

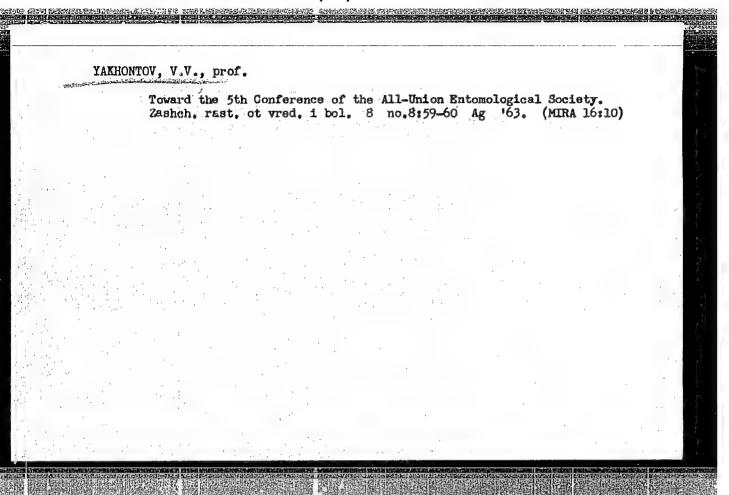
SO: Sum 432, 29 Mar 55

SYROVATKO, F.A.; YAKHONTOV, V.I.

Electroencephalographic modifications during painless labor induced by medicinal and psychoprophylactic methods. Akush. gin. no. 1:9-17 Jan-Feb 1953. (CLML 24:2)

1. Professor for Syrovatko. 2. Of the Department of Obstetrics and Gynecology of Stalingrad Medical Institute.



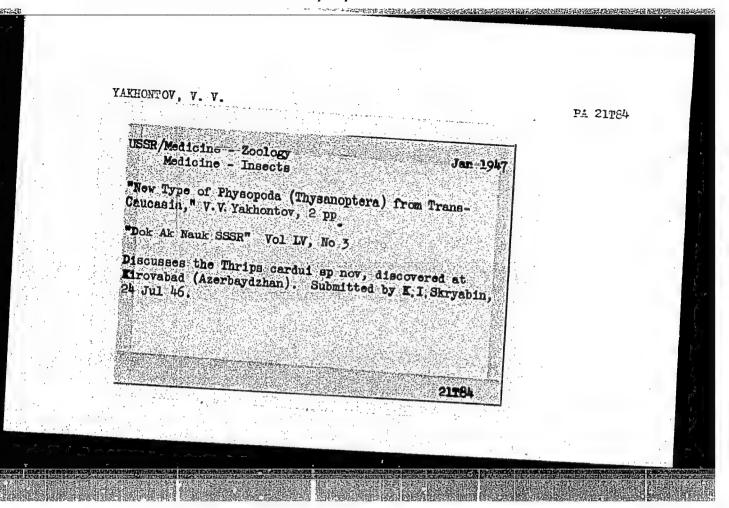


USSR/Medicine - Zoology Jen 1946
Academy of Sciences

"Uzbek Zoological Society of the Academy of Sciences, Uzbek SSR," Prof. V. V. Yakhontov, 2 pp

"Priroda" No 1

Presents the history of the Uzbek Zoological Society which was begun, 15 Oct 1940, with a membership of 35 "ashkent zoologicals. On 15 May 1945, there were 121 active members and two corresponding members. Lists the staff of the society, President is Prof. V. Yakhontov, Dr of Biological Sciences. There were two meetings during 1940. Author presents a list of the more important articles submitted at those meetings. Also lists seme of the articles submitted during the 1942 meetings. ID kOT62



29258 Novoye o meditsinekom znachenii pohely. Pri-roda, 1949, No 9, s. 66-67 rentgenologiya i radiologiya

S0: Letopsi' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

BEDRINTSEY, K.N., kand.ekonom.nauk; KORZHENEVSKIY, M.L., doktor geograf.

nauk; KOROYIN, Ie.P., doktor biolog.nauk; SEUVALOV, S.A., kand.

geologo-mineral.nauk; TAKHONTOV, V.V., prof.; BELUZHEV, A.G.;

GERKUZEN, S.Kh.; PAL'NIN,B.A.; KLETNENBERG, G.Ie.; BARANOVSKIY,

M.D.; DOROSHEV, N.T., mladehly nauchnyy sotrudnik; SCHASTEN, N.V.;

TSAPENKO, N.G.; BABAKHODZHAYEV, A.Kh., red.; SUKHANOV, P.P., tekhn.red.

[Uzbekistan; economic-geographical features] Uzbekistan; ekonomiko
geograficheskaia kharakteristika. Tashkent, 1950. 302 p.

1. Akademiya nauk Uzbekskoy SSR, Tashkent, Institut ekonomiki.

2. Chlen-korrespondent AN Uzbekskoy SSR (for Korshenevskiy). 3. Dey
stvitel'nyy chlen AN Uzbekskoy SSR (for Korovin). 4. Institut eko
nomiki AN Uzbekskoy SSR (for Doroshev).

(Uzbekistan--Economic conditions)

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YAKHONTOV, V. V.

The Committee on Stalin Prizes (of the Council of Ministers USER) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

Name

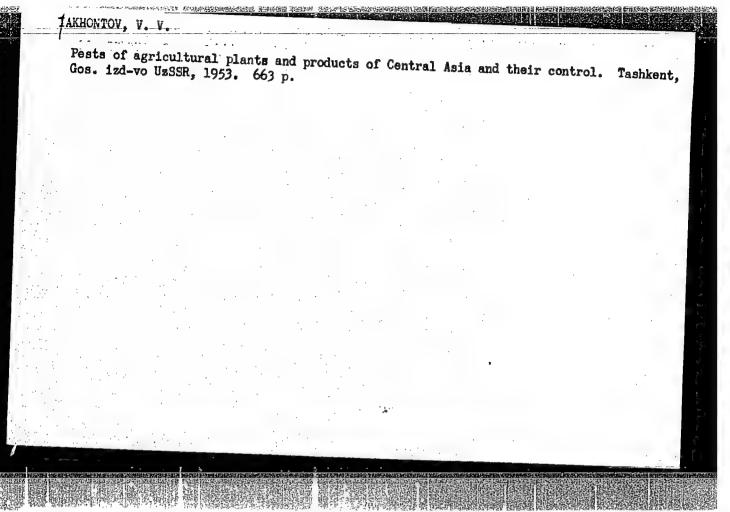
Yakhontov. V. V.

Title of Work

"Pests of Agricultural Plants and Products of Central Asia and Their Control." Mominated by

Academy of Sciences Uzbek SSR

80: W-30604, 7 July 1954



YAKHONTOV, V.V.: STOVICHEK, L.N.

Material on thrips, a pest of dandelion plants in Uzbekistan. Zool.zhur. 32

no.5:903-914 S-0.153.

1. Kafedra entomologii Tashkentskogo sel'skokhozyaystvennogo instituta.
(Uzbekistan--Thrips) (Thrips--Uzbekistan)

(MIRA 6:10)

A (DIDIIOCOCNER R	olkhoznika)	Tashkent, Akademiia	
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YAKHONTOV, V.V. Arthropodocoenosis of an alfalfa field in northern Uzbekistan. 1. Order Aranei - spiders. Zool.zhur. 34 no.2 Hr-Ap '55. (MLRA 8:6) 1. Kafedra entomologii i zoologii Tashkentskogo sel'skokhozyay-stvennogo instituta. (Uzbekistan-Arthropoda)

YAKHONTOV, V.V. Economic significance of cotton plant fauna, Zool.zhur.34 no.5:1019-1030 S-0 '55. (MIRA 9:1) 1.Akademiya nauk Uzbekskoy SSR i Tashkentskiy sel'skokhozyaystvennyy institut. (Cotton--Diseases and pests)

USSR/ Agricul	ture - Insect pests
Authors	Pub. 86 - 23/37 Yakkontov, V. V., Prof. New method for predicting the multiplication of plant lice
	Priroda hh/h, 110 - 111, Apr 1955 An analysis is made of the conditions for multiplication of insects harmful to plant life of the type generally known as plant lice. It was found that the tendency to develop wings arises when the conditions for the existence of the insects are difficult. Experiments were conducted with even temperature and varying moisture, and with even moisture and varying temperature. Four references: 3 Soviet and 1 American (1927 - 1950).
Institution : Submitted :	

YAKHONTOV, V.V.; DAVIETSHIMA, A.G.

Locusts of the ancient Amu Darya delta, Trudy Inst. zool, i paraz.

AN Uz. SSR 6:17-29 156.

(Kunya--Urgench District--Locusts)

USSR / General and Special Zoology. Insects. System. atics and Faunistics.

Abs Jour: Ref Zhur-Biol., No 14, 1958, 63924.

Author

: Yakhontov, V. V.; Davletshina, A. G. : Institute of Zoology and Parasitology, AS UzSSR. Inst

: The Species Composition of Darkling Beetles (Tenebrionidae) in the Ancient Delta of Amu-Dar'ya. Title

Orig Pub: Tr. in-ta zool. i parazitol. AN UzSSR, 1956,

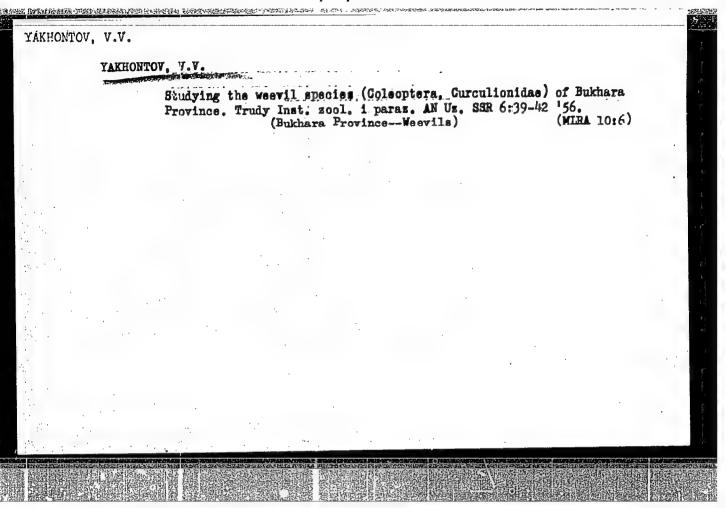
6, 31-38.

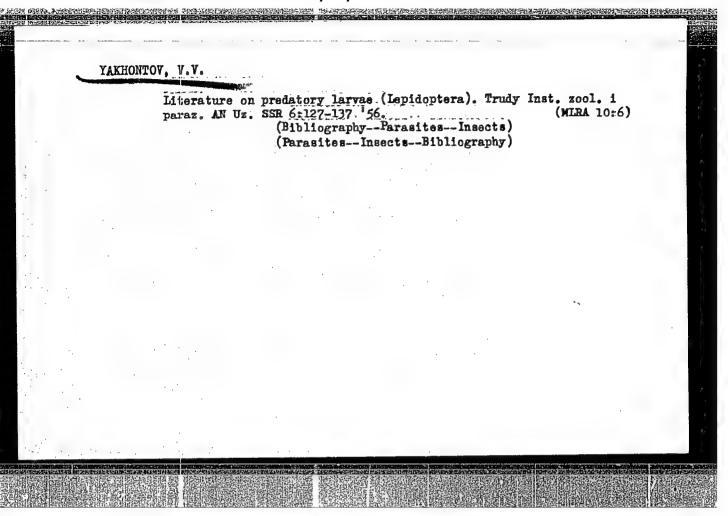
Abstract: An incomplete list of darkling beetles in north-

eastern Turkmen SSR.

Card 1/1

22





YAKHONTOV, V.V.

Spiders (Aranei) of Uzbekistan. Dokl. AN Uz.SSR no.7:61-62 '56. (MIRA 12:6)

1.Institut zoologii i parazitologii AN UzSSR. Fredstavleno akad. AN UzSSR S.S. Kanashom.
(Uzbekistan--Spiders)

MAKHENILV

USSR/Special and General Zoology - Insects.

0-3

Abs Jour

Referat Zhur - Biologiya, No 16, 1957, 69818

Author

Yakhontov, V.V.

Title

The Analysis of the Morphological Properties of the Aphid Populations as a Method of Short-Term Prediction of their

Number.

Orig Pub

Zh. Obshch. biologii, 1956, 17, No 5, 377-385

Abstract

Practically all species of aphids in the imago stage appear in nature in the alate as well as in the wing-less state. The appearance of the alate forms is stimulated by the deterioration of conditions. The resence of the wing beginnings are found in the II larval stage already. The relative number of larvae with wing beginnings is utilized by the author for the prognostication of the subsequent lowering or increase in the number of aphids, based on the ability of the alate aphids to migrate from the focus of their birth. The lower the percentage of

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USSR/Special and General Zoology - Insects.

0-3

Abs Jour

Referat Zhur - Biologiya, No 16, 1957, 69818

larvae with wing growths, the greater is the increase of the aphid population in the nearest 7-10 days. It is shown in relation to the acacia (white acacia), melon and acacia (on the cotton-plant) aphids, that if in the colony of aphids the percentage of alate larvae does not exceed 25-30, then within the next few days there will be an increase in population. With 30-40 percent the population remains stationary, and at 60 and above there is a rapid decline in the acacia aphid within 7-10 days, and of the melon aphid within 10-16 days. For the prognosis it is sufficient to collect 1000 larvae from no less than 50 different points of the observed field. The enemies and parasites of aphids cannot have a decisive influence on the number of aphids, for their quantity depends on the quantity of aphids. The proposed method of prognosis is more precise and convenient that the analysis of fertility by the emoryonic count in the ovaries of

Card 2/3

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USSR/Special and General Zoology - Insects.

0-3

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 69818

the females.

The author believes that the lowering in the number of aphids is produced to larger extent by the flight of the winged forms, than by the lowering in fertility.

Card 3/3

- 27 -

YAKADNIOV, V.V.

USSR / General and Special Zoology. Insects

Abs Jour: Ref Zhur-Biol., No 1, 1958, 2155

Author : V. V. Yakhontov

Inst

Title : Two New Species and One New Variation of the Thrips (Thysanoptera) from Northern Karakum and from the

Middle Course of the Ili River.

Orig Pub: Entomol. Obozreniye, 1956, 35, No 1, 144-147

Abstract: The following are described: a new variety of thrips Liothrips dampfi Karny var. karakumensis, collected from the branches of Tamarix; new species Haplothrips ammodendronis collected from the flowers of sand acacia Ammodendron connollyi as well as H. arthrophyti collected from the black Haloxylon Arthrophytum aphyl-

lum.

Card 1/1

YAKHONTOV, V.V.

New genus and species of thrips from the Trans-Ili Ala-Tau [with English summary in insert]. Zool.zhur. 35 no.4:554-555 Ap '56. (NLRA 9:8)

1. Uzbekistanskoje otdelenije Vsesojuznogo entomologicheskogo obshchestva. (Trans-Ili Ala-Tau--Thrips)

ALIMOV, R.A., red.; YERMENKO, V.Ye., red.; ZAKIROV, K.Z., akademik, red.;

KANASH, S.S., akademik, red.; MUKHAMEDZHANOV, M.V., akademik, red.;

HABIYEV, M.N., akademik, red.; RYZHOV, S.N., red.; SADYKOV, S.S., red.;

YAKHONTOV, V.V., red.; BUGAYEV, V.A., kand.fiz.-mat.nauk,otvetstvennyy

red.; FANKOV, M.A., prof., doktor sel'skokhozyaystvennykh nauk,

otvetstvennyy red.; KURANOVA, L.I., red. izd-va; GOR'KOVAYA, Z.P.,

tekhn.red.

[The cotton plant] Khlopchatnik. Tashkent. Vol.2. [Climate and soils in cotton growing regions of Central Asia] Klimat i pochvy khlopkovykh raionov Srednei Azii. 1957. 626 p. (MIRA 11:1)

1. Ghlen-korrespondent AN UzSSR (for Alimov, Yeremenko, Sadykov, Yakhontov). 2. Deystvitel'nyy chlen Akademii sel'skokhozyaystvennykh nauk UzSSR (for Yeremenko, Mukhamedzhanov, Ryzhov). 3. AN UzSSR (for Zakirov, Kanash, Mukhamedzhanov, Nabiyev). 4. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk im. V.I. Lenina (for Kanash, Ryzhov). 5. Akademiya nauk Uzbekskoy SSR, Tashkent. Institut matematiki i mekhaniki.

(Soviet Central Asia-Soils) (Soviet Central Asia-Climate)
(Cotton)

CREATURE CONTROL OF THE CONTROL OF T

USSR/General and Specialized Zoology - Insects.

P.

Abs Jour

: Ref Zhur - Biol., No 9, 1958, 40045

Author

: Yakhontov, V.V.

Inst Title

: Now in the Biological Method.

Orig Pub

Zashchita rast. v biologicheskom metode. 1957, No 3, 32-33.

Abstract

The crossing of varieties of the stethorus beetle, the most dangerous natural enemy of the cobweb ticks, was accompanied by heterosis. In the stethorus and the seven-spotted ladybugs, Heterosis expressed itself in a sharp increase in fertility and voracity in all variants of the experiment. The fertility of the generation of the ladybugs that hibernated, increased after crossing by 21.6-136%, and the fertility of the subsequent (summer) generation increased by 33.4-118%. The stethorus fertility was increased correspondingly by 10-43% and by 50.3-65.6%. The voracity of the hybrid offspirng of the seven-spotted

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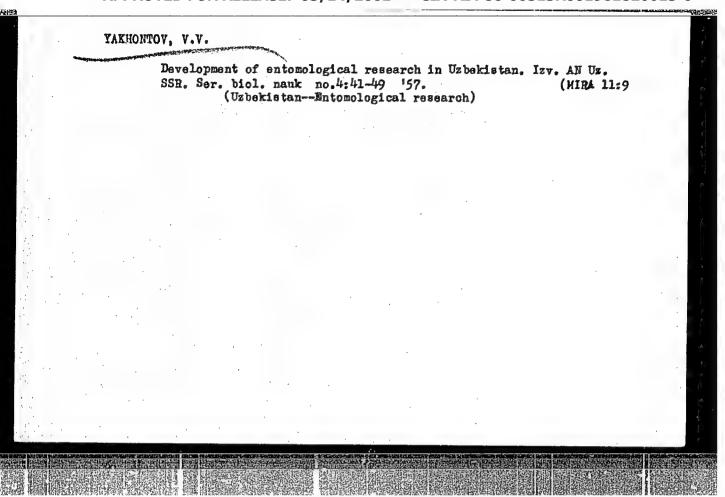
USSR/General and Specialized Zoology - Insects.

P.

Abs Jour : Ref Zhur - Biol., No 9, 1958, 40045

ladybug increased by 7.6-47.3%. Heterosis began to be weaker since the third hatching, but even in the fourth hatching the hybrid offspring was more fertile than in the varieties that were non-hybrid. Very close kinship crossing of the stethorus and of the ladybug was accompanied with degeneration expressing itself in a decrease of fertility in the stethorus by 7.3-20.5% and in the ladybug by 11.1-88.8%. Evil effects of inbreeding were removed by cross breeding of inbred beetles with beetles collected in the field. Most beneficial for heterosis of the ladybug was crossing the individual bugs with bugs obtained from warmer climates. The increase in vitality of entomophagi at their crossing was regarded as a theoretical basis for the development and practical application of the new biological trend and for the use of entomophagi by the nethod of intraareal distribution and emportation in the "white spots" of the area. Such a method was more economical and involved less of a risk of extinction. -- I.A. Rubtsov.

Card 2/2



USSR / General and Specialized Zoology. Insects. Pests of Food Stuffs.

Abs Jour : Ref Zhur - Biologiya, No 16, 1958, No. 73672

Author

: Yakhontov, V. V.

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Not given

Title

! Survey of Reports on Granary and Storehouse Pests at

the Tenth International Entomological Congress

Orig Pub

: Zashchita rast. ot vredit. i bolezney, 1957, No 4,

49-50

Abstract

In order to reveal the stages of the pest inside grains, samples are reduced to fragments or boiled in alkalis, but the most effective method is treatment with roentgen rays using beryllium tubes. The possibility of calculation by using neon-oscillators IK-radiation, starting on the basis of the metabolism of the pest inside the grain, was studied. The grain-spectroscope is used to

Card 1/3

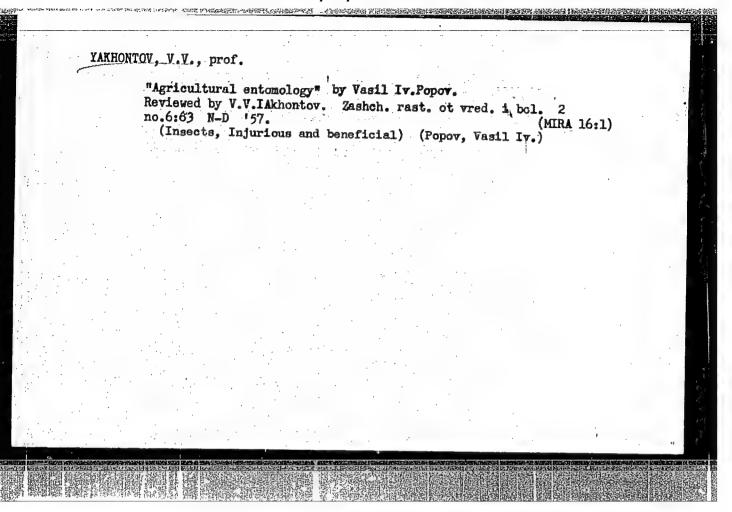
Stuffs.

Abs Jour Ref Zhur - Biologiya, No 16, 1958, No. 73672

pick out the grain with inside damage. The following are also used: methyl bromide - the basic fumigant in the UBA: a mixture of CS2 and CC14 (1:4); acrirolon; HCN; acrilonitrile with CCl4 (for disinfection of tobacco and articles from it); and ethyloxide + Carbon acid. DDT, methoxichlore, and dieldrin are used to control the rice weevil in seed grains. The grain is aerated to secure the circulation of fumigants throughout a large mass of grain. The T/C Gas-analyzer permits the determination of the concentration of gas during fumigation. The use of X-rays of the radioactive isotopes, roentgen rays, electronic radiation, radiowaves, and ultrasonic vibration is planned. An electronic amplifier enables one to hear the pests. To protect grain from being attacked by pests pyrenon and other preparations of pyrethrine + piperonilbutoxide are used.

Card 2/3

24



USSR/General and Systematic Zoology. Insects. Harmful Insects and Acardis. Fodder Pests.

Abs Jour: Ref Zhur - Biol., No 3, 1959, No 11610

Author

: Yakhontov V.V. : Tashkont Agricultural Institute Inst

: Arthropodocenosis of an Alfalfa Field in the Title

Northern Region of Uzbekistan. Order of Hemipera.

Orig Pub : Tr. Tashkentsk. s.-kh. in-t, 1957, 8, 57-64

Abstract: According to systematic calculations (by means of mowing) in the environs of Tashkent in 1937-1938, the fauna of the alfalfa-field hamiptera numbers 32 species, only 11 of which are found in considerable quantities. The species most frequently encountered are the predators Nabis ferus and Camptobrochis punctulatus (the former feeds on various insects; the latter, apparently, on aphids).

Card : 1/2

USSR/General and Systematic Zoology. Insects. Harmful In- P sects and Acardis. Fodder Pests.

Abs Jour : Ref Zhur - Bioli, No 3, 1959, No 11610

the pkant-eating bugs, the most abundant is Trigonotylus ruficornis, which appears in large numbers on alfalfa only in the end of summer, when the coroal grasses, on which it fed hitherto, had died out. Of the species harming alfalfa directly, alfalfa (Adelphocoris lineolatus) and field (Lygus pratensis) bugs predominate, the latter having been encountered on some fields in greater numbers than the former. Comparing the results, obtained by means of mowing and gathering on experimental areas, the author considers mowing to be the more effective method, because it reveals more completely the species composition. -- G.A. Viktorov

Card : 1/2

VAL NONIDU, V.V.

USSR / General and Special Zoology. Insects. System-P atics and Faunistics.

Abs Jour: Ref Zhur-Biol., No 21, 1958, 96376.

: Yakhontov, V. V.; Gurbanov, H. H. : AS AzorbSSR. Author :

Inst'

: Norashon. Thrips - A New Form of Thrips Franklin-Title

iclla intonsa.

Orig Pub: Dokl. AN AzerbSSR, 1957, 13, No 12, 1279-1283.

Abstract: Systematic description and notes on distribution,

biology and intraspecies changes of the thrips

F. intonsa.

Card 1/1

